

## Abstract

Disclosed is a method and device for locally transmitting digital wireless data through a searched  
5 channel with no interference. Firstly, data is transmitted and received through a setup channel. A channel having a different frequency from the setup channel is set as a temporary replacement channel. Data is transmitted and received through the temporary replacement channel, and it  
10 is checked whether there is channel interference. When there is no channel interference, the temporary replacement channel information is stored, and data is transmitted and received after returning to the setup channel. When it is detected that channel interference continuously occurs while  
15 transmitting and receiving data through the setup channel, data is transmitted and received after changing the stored replacement channel to a new setup channel.